Ernst J Woltering

List of Publications by Year
in descending order

66 papers	3,877 citations	159585 30 h-index	128289 60 g-index
67 all docs	67 docs citations	67 times ranked	5742 citing authors

#	Article	IF	Citations
1	High light intensity at End-Of-Production improves the nutritional value of basil but does not affect postharvest chilling tolerance. Food Chemistry, 2022, 369, 130913.	8.2	10
2	Applications of chitosan-based carrier as an encapsulating agent in food industry. Trends in Food Science and Technology, 2022, 120, 88-99.	15.1	67
3	Additional Blue LED during Cultivation Induces Cold Tolerance in Tomato Fruit but Only to an Optimum. Biology, 2022, 11, 101.	2.8	5
4	Lack of Blue Light Regulation of Antioxidants and Chilling Tolerance in Basil. Frontiers in Plant Science, 2022, 13, 852654.	3.6	11
5	High CO2 Reduces Spoilage Caused by Botrytis cinerea in Strawberry Without Impairing Fruit Quality. Frontiers in Plant Science, 2022, 13, 842317.	3.6	2
6	Identifying key wavenumbers that improve prediction of amylose in rice samples utilizing advanced wavenumber selection techniques. Talanta, 2021, 224, 121908.	5.5	18
7	Sequential fusion of information from two portable spectrometers for improved prediction of moisture and soluble solids content in pear fruit. Talanta, 2021, 223, 121733.	5.5	61
8	High Light Intensity Applied Shortly Before Harvest Improves Lettuce Nutritional Quality and Extends the Shelf Life. Frontiers in Plant Science, 2021, 12, 615355.	3.6	29
9	Monochromatic red light during plant growth decreases the size and improves the functionality of stomata in chrysanthemum. Functional Plant Biology, 2021, 48, 515.	2.1	54
10	Blue Light Improves Photosynthetic Performance during Healing and Acclimatization of Grafted Watermelon Seedlings. International Journal of Molecular Sciences, 2021, 22, 8043.	4.1	27
11	Low Oxygen Storage Improves Tomato Postharvest Cold Tolerance, Especially for Tomatoes Cultivated with Far-Red LED Light. Foods, 2021, 10, 1699.	4.3	3
12	Handling batch-to-batch variability in portable spectroscopy of fresh fruit with minimal parameter adjustment. Analytica Chimica Acta, 2021, 1177, 338771.	5.4	15
13	Supplementary Light with Increased Blue Fraction Accelerates Emergence and Improves Development of the Inflorescence in Aechmea, Guzmania and Vriesea. Horticulturae, 2021, 7, 485.	2.8	15
14	Far-red light during cultivation induces postharvest cold tolerance in tomato fruit. Postharvest Biology and Technology, 2020, 159, 111019.	6.0	17
15	Response of Basil Growth and Morphology to Light Intensity and Spectrum in a Vertical Farm. Frontiers in Plant Science, 2020, 11, 597906.	3.6	41
16	Postharvest Spectral Light Composition Affects Chilling Injury in Anthurium Cut Flowers. Frontiers in Plant Science, 2020, 11, 846.	3.6	8
17	Modulation of the Tomato Fruit Metabolome by LED Light. Metabolites, 2020, 10, 266.	2.9	22
18	Cell death associated release of volatile organic sulphur compounds with antioxidant properties in chemical-challenged tobacco BY-2 suspension cultured cells. Journal of Plant Physiology, 2020, 251, 153223.	3.5	7

#	Article	IF	Citations
19	Genotypic and phenotypic differences in fresh weight partitioning of cut rose stems: implications for water loss. Acta Physiologiae Plantarum, 2020, 42, 1.	2.1	20
20	Cell death signaling and morphology in chemical-treated tobacco BY-2 suspension cultured cells. Environmental and Experimental Botany, 2019, 164, 157-169.	4.2	6
21	Light-Induced Vitamin C Accumulation in Tomato Fruits is Independent of Carbohydrate Availability. Plants, 2019, 8, 86.	3.5	34
22	Light regulation of vitamin C in tomato fruit is mediated through photosynthesis. Environmental and Experimental Botany, 2019, 158, 180-188.	4.2	27
23	Chitosan-limonene coating in combination with modified atmosphere packaging preserve postharvest quality of cucumber during storage. Journal of Food Measurement and Characterization, 2018, 12, 1610-1621.	3.2	36
24	Light regulates ascorbate in plants: An integrated view on physiology and biochemistry. Environmental and Experimental Botany, 2018, 147, 271-280.	4.2	56
25	Effect of cold storage on stomatal functionality, water relations and flower performance in cut roses. Postharvest Biology and Technology, 2018, 136, 66-73.	6.0	23
26	Mango Firmness Modeling as Affected by Transport and Ethylene Treatments. Frontiers in Plant Science, 2018, 9, 1647.	3.6	20
27	The wound response in fresh-cut lettuce involves programmed cell death events. Protoplasma, 2018, 255, 1225-1238.	2.1	23
28	Xylogenesis in zinnia (Zinnia elegans) cell cultures: unravellingÂthe regulatory steps in a complex developmental programmed cell death event. Planta, 2017, 245, 681-705.	3.2	39
29	Nitric oxide prevents wound-induced browning and delays senescence through inhibition of hydrogen peroxide accumulation in fresh-cut lettuce. Innovative Food Science and Emerging Technologies, 2015, 30, 157-169.	5.6	33
30	Chilling-Induced Changes in Aroma Volatile Profiles in Tomato. Food and Bioprocess Technology, 2015, 8, 1442-1454.	4.7	44
31	Research Tools: Ethylene Detection. , 2015, , 263-286.		1
32	Quantifying lycopene synthesis and chlorophyll breakdown in tomato fruit using remittance VIS spectroscopy. Postharvest Biology and Technology, 2014, 96, 53-63.	6.0	30
33	Mastoparan-induced programmed cell death in the unicellular alga Chlamydomonas reinhardtii. Annals of Botany, 2013, 111, 191-205.	2.9	46
34	Aroma volatile release kinetics of tomato genotypes measured by PTR-MS following artificial chewing. Food Research International, 2013, 54, 1579-1588.	6.2	25
35	Sources of vase life variation in cut roses: A review. Postharvest Biology and Technology, 2013, 78, 1-15.	6.0	105
36	Involvement of phospholipase D-related signal transduction in chemical-induced programmed cell death in tomato cell cultures. Protoplasma, 2013, 250, 1169-1183.	2.1	13

#	Article	IF	Citations
37	Rapid Tomato Volatile Profiling by Using Protonâ€Transfer Reaction Mass Spectrometry (PTRâ€MS). Journal of Food Science, 2012, 77, C551-9.	3.1	51
38	On the prediction of the remaining vase life of cut roses. Postharvest Biology and Technology, 2012, 70, 42-50.	6.0	23
39	Low temperature-induced lycopene degradation in red ripe tomato evaluated by remittance spectroscopy. Postharvest Biology and Technology, 2012, 73, 22-27.	6.0	32
40	Caspase inhibitors affect the kinetics and dimensions of tracheary elements in xylogenic Zinnia (Zinnia) Tj ETQq0 0 0 rgBT /Overlock 10	3.6	21
41	Involvement of ethylene and nitric oxide in cell death in mastoparanâ€treated unicellular alga <i>Chlamydomonas reinhardtii</i>. Cell Biology International, 2010, 34, 301-308.	3.0	68
42	Death proteases: alive and kicking. Trends in Plant Science, 2010, 15, 185-188.	8.8	42
43	What about the role of autophagy in PCD?. Trends in Plant Science, 2010, 15, 361-362.	8.8	36
44	<i>Alternaria alternata</i> AT Toxin Induces Programmed Cell Death in Tobacco. Journal of Phytopathology, 2009, 157, 592-601.	1.0	26
45	Establishing in vitro Zinnia elegans cell suspension culture with high tracheary element differentiation. Cell Biology International, 2009, 33, 524-533.	3.0	15
46	Cadmium-Induced Programmed Cell Death Signaling in Tomato Suspension Cells. Biotechnology and Biotechnological Equipment, 2009, 23, 538-541.	1.3	0
47	Cadmium toxicity in cultured tomato cellsâ€"Role of ethylene, proteases and oxidative stress in cell death signaling. Cell Biology International, 2008, 32, 1521-1529.	3.0	56
48	Metacaspase-8 Modulates Programmed Cell Death Induced by Ultraviolet Light and H2O2 in Arabidopsis. Journal of Biological Chemistry, 2008, 283, 774-783.	3.4	213
49	Physiology and molecular biology of petal senescence. Journal of Experimental Botany, 2008, 59, 453-480.	4.8	346
50	Signal transduction events in aluminum-induced cell death in tomato suspension cells. Journal of Plant Physiology, 2007, 164, 702-708.	3.5	71
51	Histochemical and genetic analysis of host and non-host interactions of Arabidopsis with three Botrytis species: an important role for cell death control. Molecular Plant Pathology, 2007, 8, 41-54.	4.2	164
52	An auxin-responsive 1-aminocyclopropane-1-carboxylate synthase is responsible for differential ethylene production in gravistimulated Antirrhinum majus L. flower stems. Planta, 2005, 220, 403-413.	3.2	29
53	Many ways to exit? Cell death categories in plants. Trends in Plant Science, 2005, 10, 117-122.	8.8	363
54	Senescence and programmed cell death: substance or semantics?. Journal of Experimental Botany, 2004, 55, 2147-2153.	4.8	153

#	Article	IF	Citations
55	Death proteases come alive. Trends in Plant Science, 2004, 9, 469-472.	8.8	103
56	A tomato metacaspase gene is upregulated during programmed cell death in Botrytis cinerea-infected leaves. Planta, 2003, 217, 517-522.	3.2	125
57	Multiple mediators of plant programmed cell death: Interplay of conserved cell death mechanisms and plant-specific regulators. BioEssays, 2003, 25, 47-57.	2.5	233
58	Do Plant Caspases Exist?. Plant Physiology, 2002, 130, 1764-1769.	4.8	165
59	A critical role for ethylene in hydrogen peroxide release during programmed cell death in tomato suspension cells. Planta, 2002, 214, 537-545.	3.2	141
60	A tomato homologue of the human protein PIRIN is induced during programmed cell death. Plant Molecular Biology, 2001, 46, 459-468.	3.9	63
61	Changes in gene expression during programmed cell death in tomato cell suspensions. Plant Molecular Biology, 2001, 45, 641-654.	3.9	25
62	Chemical-induced apoptotic cell death in tomato cells: involvement of caspase-like proteases. Planta, 2000, 211, 656-662.	3.2	120
63	Ethylene biosynthetic genes are differentially expressed during carnation (Dianthus caryophyllus L.) flower senescence. , 1997, 34, 89-97.		144
64	Partial Characterization of Carnation Petal 1-Aminocyclopropane-1-Carboxylate Oxidase. Journal of Plant Physiology, 1994, 144, 549-554.	3.5	18
65	Regulation of Ethylene Biosynthesis in Gravistimulated Kniphofia (Hybrid) Flower Stalks. Journal of Plant Physiology, 1991, 138, 443-449.	3.5	25
66	ETHYLENE BIOSYNTHESIS, CARBOHYDRATE METABOLISM AND PHENYLALANINE AMMONIALYASE ACTIVITY IN GRAVIREACTING KNIPHOFIA FLOWER STALKS.. Acta Horticulturae, 1991, , 99-110.	0.2	3